

Intel® Pentium® 4 Processor Quick Reference Guide for Home PCs

Introducing the Intel® Pentium® 4 Processor

- Launching at 1.4 and 1.5 GHz
- Intel's highest performance processor for desktop PCs
- All new Intel® NetBurst™ micro-architecture



*Look for the Intel Inside® logo
for reliability, quality
and software compatibility
that you can count on*

Advanced Technology for the Internet and Beyond

- A new PC platform for today's high-end applications and tomorrow's demanding Internet innovations
- Power for cutting-edge broadband Internet technologies like streaming video and audio
- Performance to quickly create, edit and share professional quality photos and video
- The ultimate platform for a realistic immersive 3D experience

New Micro-architecture called Intel® NetBurst™ Micro-architecture

New Features	Benefits
Hyper Pipelined Technology	Increases processor frequency and performance
Rapid Execution Engine	Higher throughput and reduced latency
400 MHz System Bus	More responsive system performance
Execution Trace Cache	More efficient use of cache memory for increased performance

Improved Features	Benefits
Advanced Dynamic Execution	More efficient processing of data
Advanced Transfer	Optimizes data transfer to the processor core for improved performance
Enhanced Floating Point and Multimedia Unit	Accelerates video, speech, encryption, and image/photo processing
Streaming SIMD Extensions 2	Delivers performance increases across broad range of applications



Extensive Software Applications and Web Sites Optimized for the Intel® Pentium® 4 Processor

Madden NFL® 2001 by Electronic Arts®

3D sports game

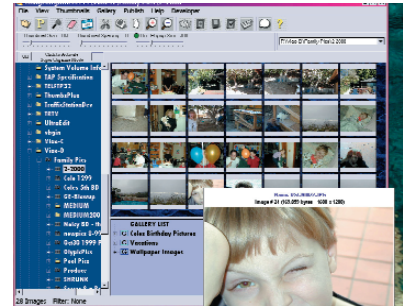
- Higher detailed characters and graphics
- More realistic environment and game play



Image Organizer® by Alpha Base Systems

Image management and publishing tool

- Retrieve and display pictures faster



Mattel 3D Greeting® (expressit.com)

3D greeting card Web site

- Higher image quality
- Faster image processing and more immersive audio experience



UBUBU Universe®

3D desk and web link organizer

- Higher level of graphics and lighting



POPblaster®

Multimedia authoring and streaming video web publishing

- Faster video encoding
- Higher quality video playback



Sacrifice® by Shiny Entertainment®

3D strategy game

- Life like character animation
- Extraordinary level of scenic detail



For more information, visit the Intel Web site at: www.intel.com